

FEB 04 2005 @002/009

Attorney's Docket No.: 06618-590001/CIT- 3165

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Aleksey E. Bolotnikov et al. Art Unit: 2815  
Serial No.: 09/933,349 Examiner: J. Jackson, Jr.  
Filed : February 23, 2001  
Title : INDIUM FEATURES ON MULTI-CONTACT CHIPS

VIA FACSIMILE

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

AMENDMENT

In response to the Office action mailed November 4, 2004,  
please reconsider the application in light of the following:

Amendments to the Specification beginning on page 2;

Amendments to the Claims reflected in the Listing of Claims  
beginning on page 4; and

Remarks beginning on page 7.

## CERTIFICATE OF TRANSMISSION BY FACSIMILE

I hereby certify that this correspondence is  
being transmitted by facsimile to the Patent and  
Trademark Office on the date indicated below.

February 4, 2005  
Date of Transmission

Signature

02/11/2005 TDANKINS 00000005 061050 09933349

Carroll Allman

Typed or Printed Name of Person Signing  
Certificate

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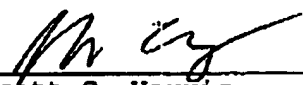
Hu's indium columns are therefore at least 115 (i.e., 75 + 20 + 20)  $\mu\text{m}$  in height. Hu thus neither describes nor suggests indium bumps that have a height of between 15 to about 100 $\mu\text{m}$  as claimed in claim 1. Hu similarly does not describe the subject matter of claims 4 and 5 where surfaces of a pixilated detector and a VLSI chip are separated by about 15 to about 100 $\mu\text{m}$ .

Accordingly, Applicant submits that claims 1-5 are allowable.

Applicant asks that all claims be allowed, at which time formal drawings will be submitted. No fees are believed due at this time. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: February 4, 2005

  
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**PATENT APPLICATION FEE DETERMINATION RECORD**

Substitute for Form PTO-875

Application or Docket Number

09933349

**CLAIMS AS FILED - PART I**

(Column 1)

(Column 2)

SMALL ENTITY

OR

OTHER THAN  
SMALL ENTITY

FOR	NUMBER FILED	NUMBER EXTRA
BASIC FEE (37 CFR 1.16(a))		
TOTAL CLAIMS (37 CFR 1.16(c))	20 minus 20 =	—
INDEPENDENT CLAIMS (37 CFR 1.16(b))	5 minus 3 =	2
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(d))		

RATE	FEE
	\$
X \$	
X \$86 =	86
+ \$	
TOTAL	86

RATE	FEE
	\$
X \$	
X \$	
+ \$	
TOTAL	

\* If the difference in column 1 is less than zero, enter "0" in column 2.

**CLAIMS AS AMENDED - PART II**

(Column 1)

(Column 2)

(Column 3)

SMALL ENTITY

OR

OTHER THAN  
SMALL ENTITY

AMENDMENT A	2/4/05	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total (37 CFR 1.16(c))		10	Minus	20	=
Independent (37 CFR 1.16(b))		5	Minus	5	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d))					

RATE	ADDI- TIONAL FEE
X \$	
X \$	
+ \$180 =	180
TOTAL ADD'L FEE	180

RATE	ADDI- TIONAL FEE
X \$	
X \$	
+ \$	
TOTAL ADD'L FEE	

(Column 1)

(Column 2)

(Column 3)

RATE

ADDI-  
TIONAL  
FEE

RATE

ADDI-  
TIONAL  
FEE

AMENDMENT B		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total (37 CFR 1.16(c))			Minus		=
Independent (37 CFR 1.16(b))			Minus		=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d))					

RATE	ADDI- TIONAL FEE
X \$	
X \$	
+ \$	
TOTAL ADD'L FEE	

RATE	ADDI- TIONAL FEE
X \$	
X \$	
+ \$	
TOTAL ADD'L FEE	

(Column 1)

(Column 2)

(Column 3)

RATE

ADDI-  
TIONAL  
FEE

RATE

ADDI-  
TIONAL  
FEE

AMENDMENT C		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total (37 CFR 1.16(c))			Minus		=
Independent (37 CFR 1.16(b))			Minus		=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d))					

RATE	ADDI- TIONAL FEE
X \$	
X \$	
+ \$	
TOTAL ADD'L FEE	

RATE	ADDI- TIONAL FEE
X \$	
X \$	
+ \$	
TOTAL ADD'L FEE	

\* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

\*\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.